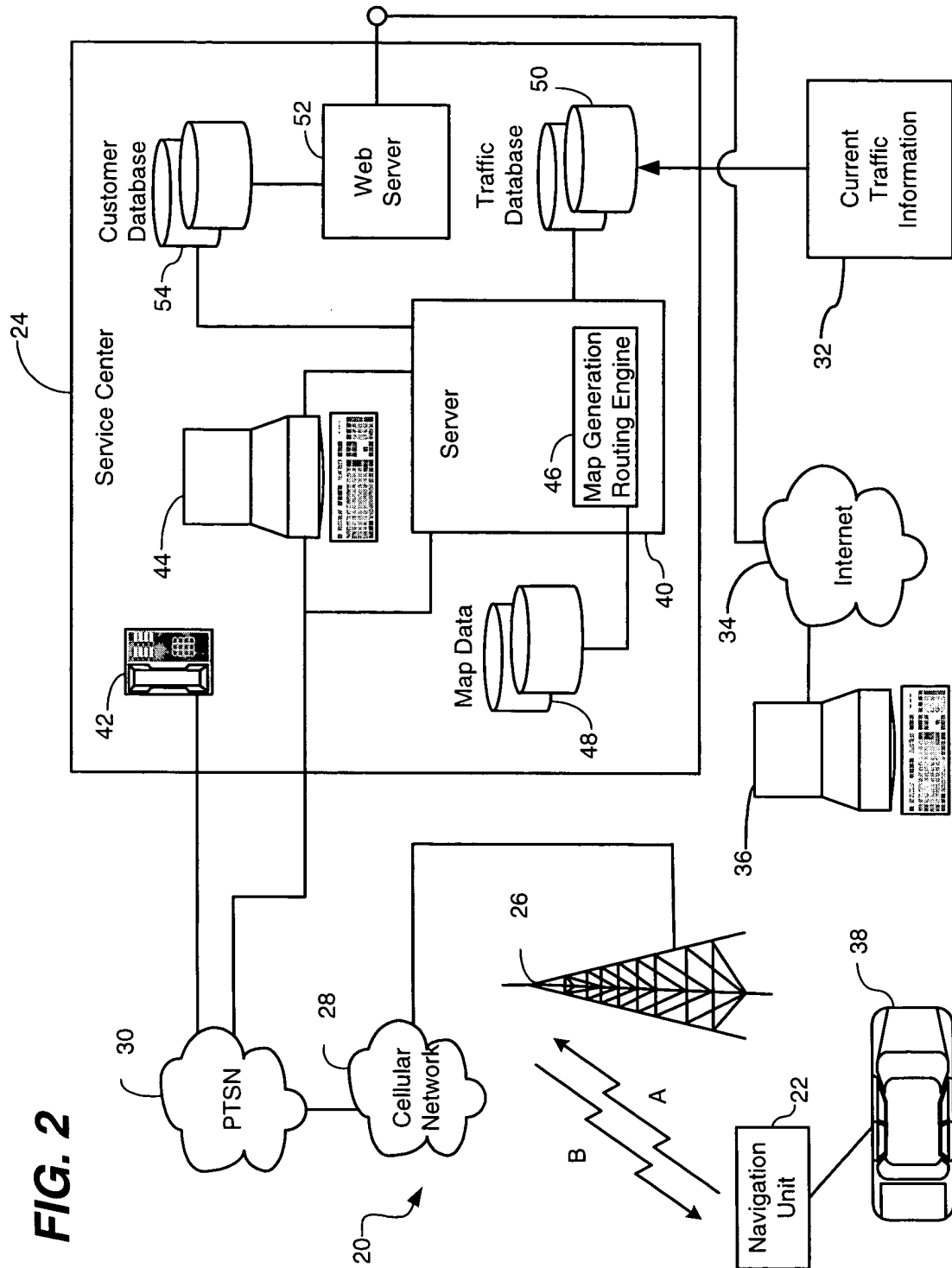


FIG. 1

FIG. 2





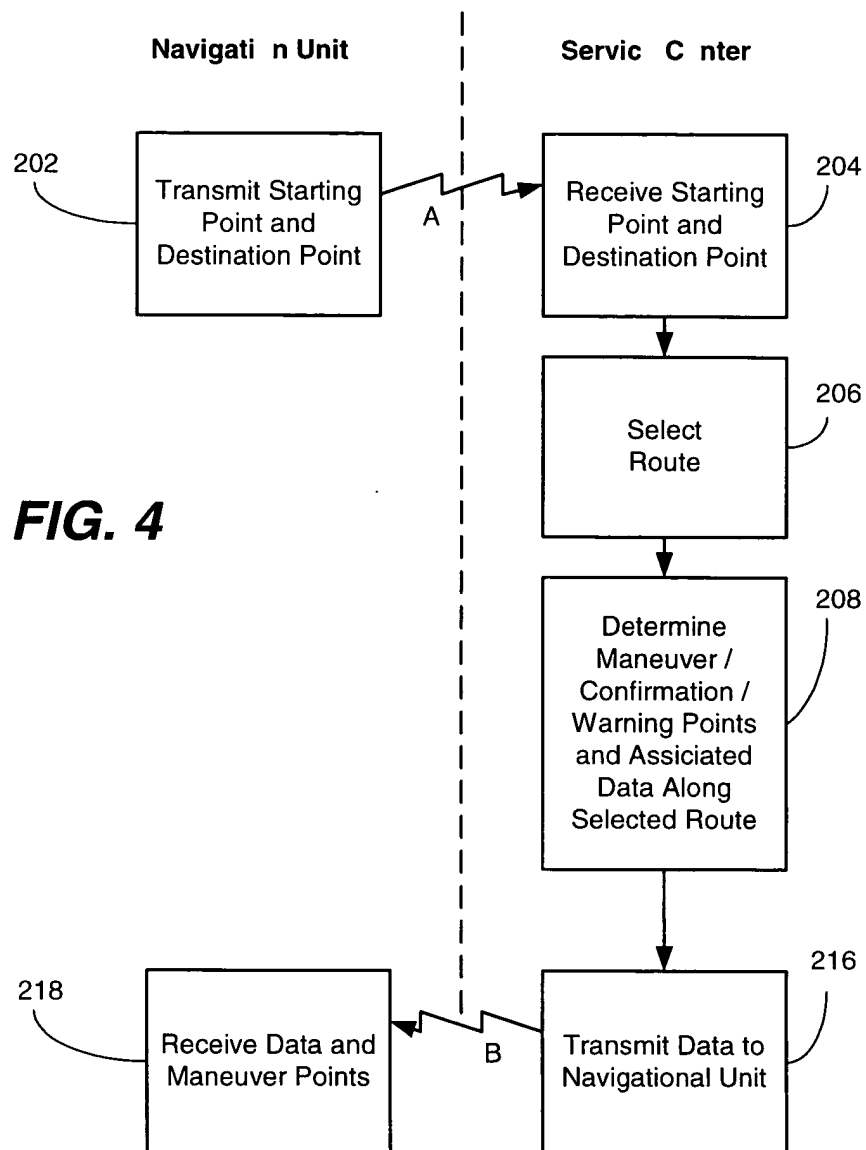


FIG. 4

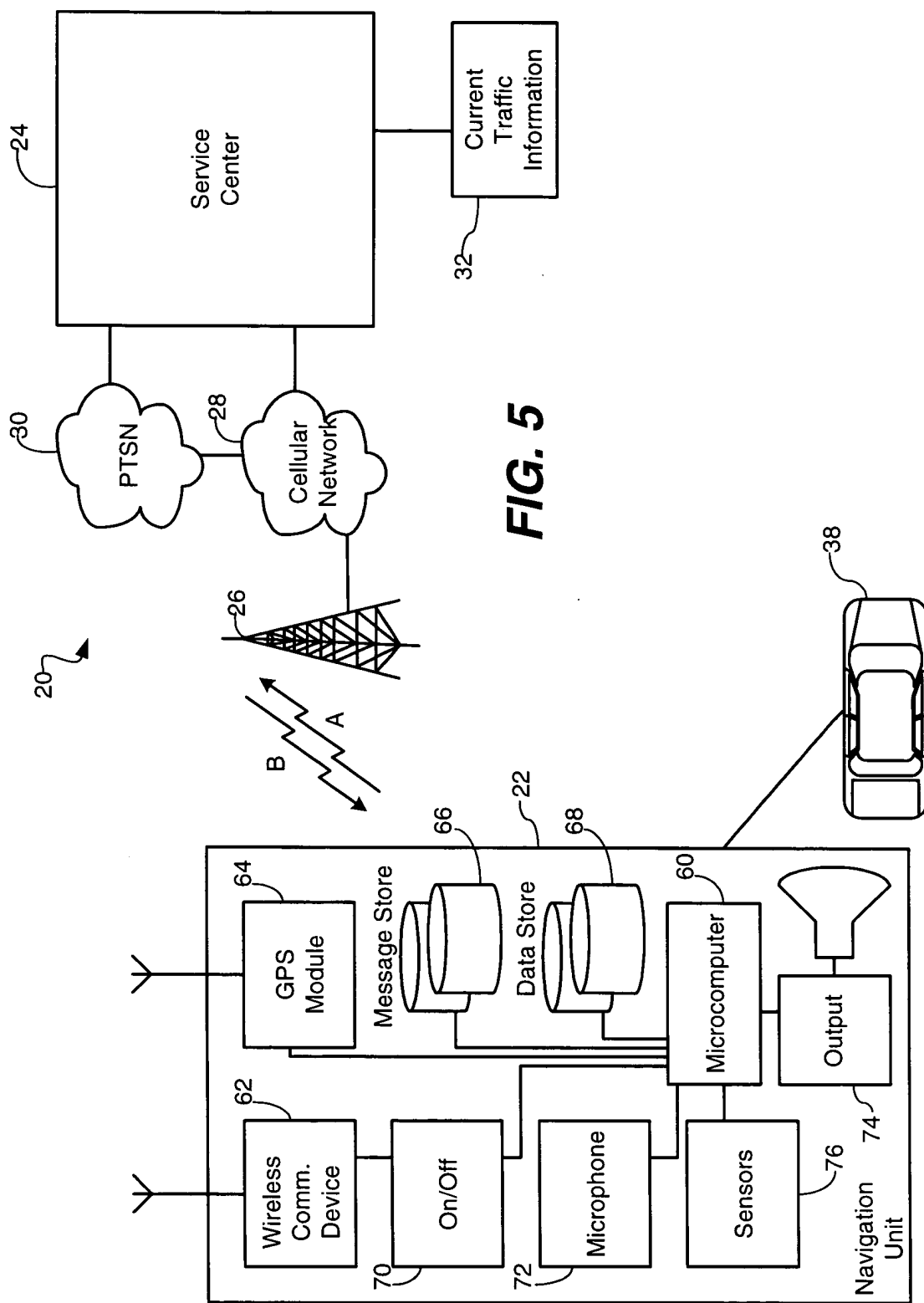
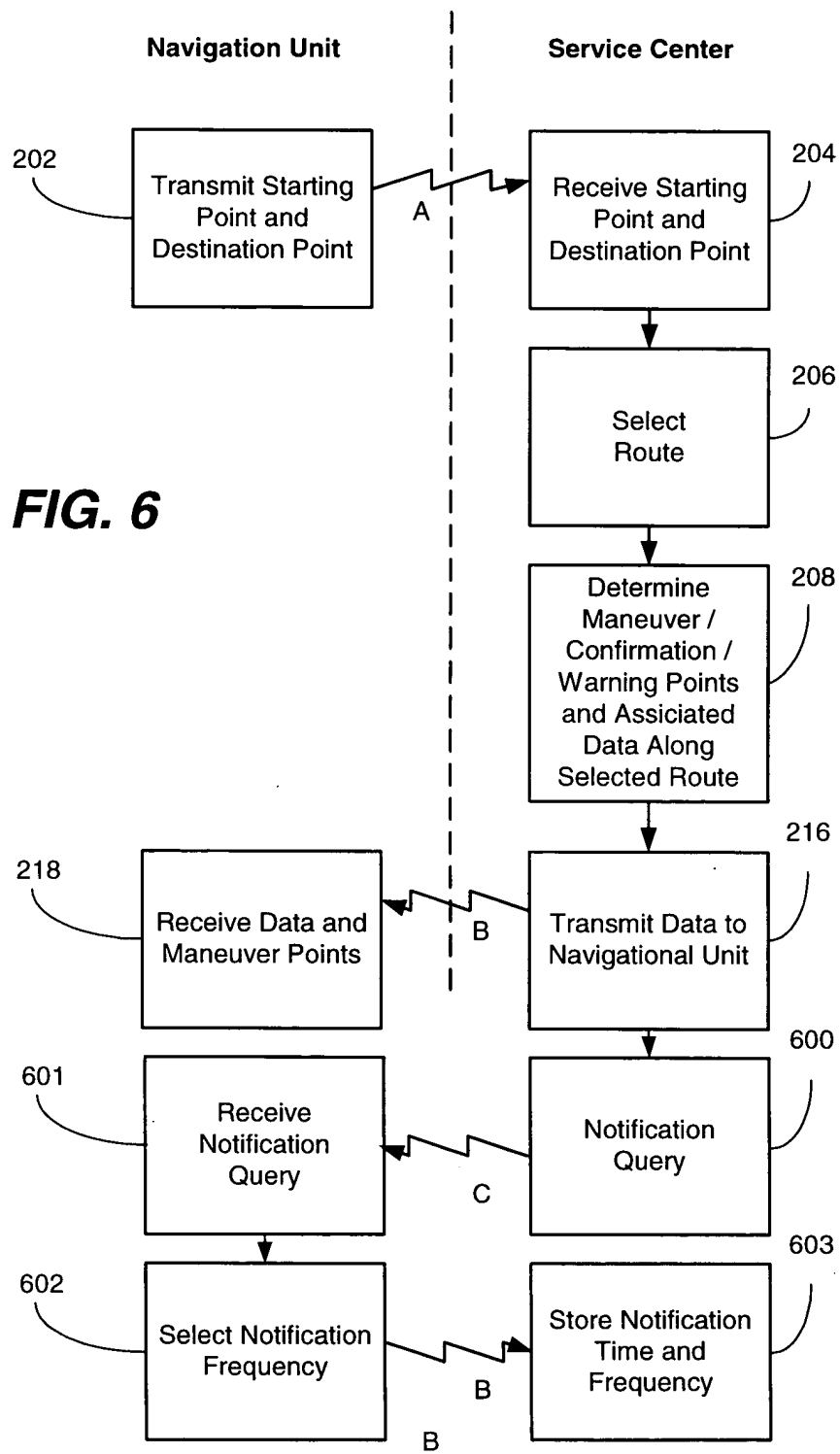
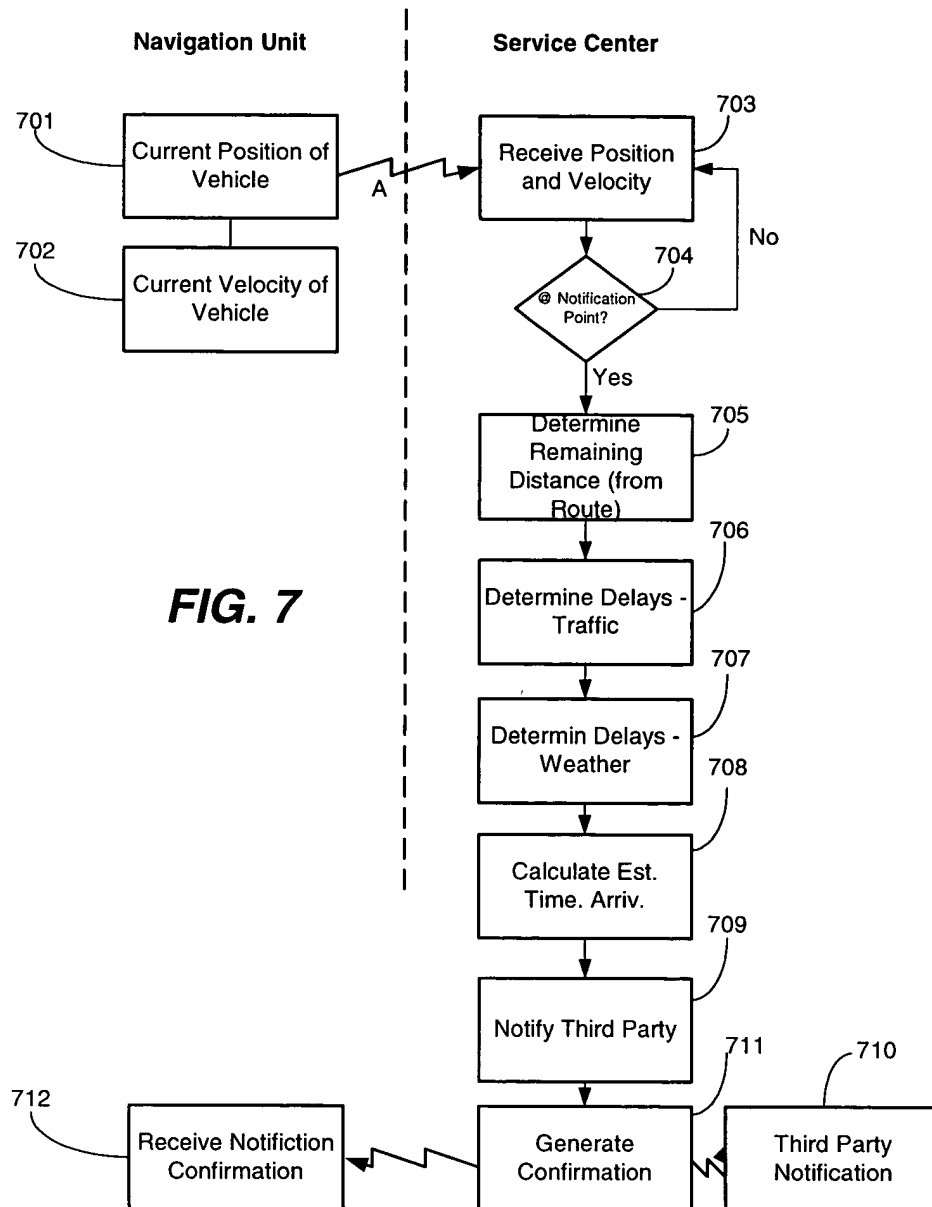


FIG. 5





X_{n+1} = True location at time $t=n+1$ 801

X^*_{n+1} = Estimated location at time $t=n+1$ 802

$X^*_{n+1,n} = X^*_{n-1,n} + T \cdot x_{n+1,n} + G_n(Y_n - X^*_{n,n-1})$ 803

$X^*_{n+1,n} = X^*_{n-1,n} + H_n/T (Y_n - X^*_{n,n-1})$ 804

$h = GG/(2-G)$ 805

FIG. 8

